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Pm Arndt A
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PATENT

Our Reference: VAL-489-A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Udo Baumeister et al
Serial Number: 09/622,525
Filing Date: August 18, 2000
Examiner/Art Group Unit: Unknown/Unknown
Title: ROTATION ANGLE MEASURING DEVICE
WITH MAGNETIC COMMUTATOR

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Entry of this Preliminary Amendment and further examination of the
above-identified application is respectfully requested.

In the specification:

After the claims, start a new page:

--ABSTRACT

The invention relates to a rotation angle measuring device for an
electrical machine. To provide a simple and compact measuring device of this kind,
the invention provides for the commutator of the machine to be magnetized and for
the magnetic field which rotates with the commutator to be evaluated by means of a
suitable sensor. Advantageous improvements relate to a suitable structure for the
commutator.--

In the Claims:

- 1 1. (Amended) [Device] A device for measuring the angle of
2 rotation for an electrical machine equipped with a commutator ~~[(1)]~~, in which ~~the~~
3 segments ~~[(2)]~~ of the commutator ~~[(1)]~~ are formed of an electrically conductive
4 material penetrable by a magnetic field[, especially of copper], characterized in that a
5 basic body ~~[(3)]~~ of the commutator ~~[(1)]~~ bearing the segments ~~[(2)]~~ is permanently

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